5,879,364, and 5,843,139) operate by passing liquid through a central orifice of an ultrasound instrument-tip. These ultrasonic devices do not have and do not need any removable nozzles to create a liquid spray.--

IN THE CLAIMS:

Please add the following new claims:

44. A method for treating a wound comprising the steps of:

providing a transducer having a distal radiation surface in proximity to the surface of the wound for emitting ultrasonic energy;

introducing a fluid to the distal radiation surface to produce a spray; and

delivering the emitted ultrasonic energy to the wound through the spray, wherein the ultrasonic energy provides a bactericidal and a therapeutic effect for decreasing the healing time for the wound.

45. The method according to Claim 44, wherein the fluid includes one or more components selected from the group consisting of gas, drugs, liquid, and saline.

46. The method according to Claim 44, wherein the therapeutic effect is selected from the group consisting of delivering at least one medicament to the wound, cleansing a surface of the wound, and stimulating healthy tissue cells.

47. The method according to Claim 44, wherein the distal radiation surface is threaded.

48. The method according to Claim 44, further comprising the step of introducing a second fluid to the distal radiation surface, and wherein the step of delivering the emitted ultrasonic energy to the wound includes the step of delivering the second fluid to the wound.

49. The method according to Claim 44, wherein the distal radiation surface has a shape selected from the group consisting of cylindrical, multiangular, rectangular, elliptical, ovular, and conical.

50. An apparatus for treating a wound comprising:

a transducer having a distal radiation surface arranged in proximity to the surface of the wound for emitting ultrasonic energy; and

means for introducing a fluid to the distal radiation surface to produce a spray, wherein the generated ultrasonic energy is delivered to the wound through the spray, and wherein the ultrasonic energy provides a bactericidal and a therapeutic effect for decreasing the healing time for the wound.

51. The apparatus according to Claim 50, wherein the fluid includes one or more components selected from the group consisting of gas, drugs, liquid, and saline.

52. The apparatus according to Claim 50, wherein the therapeutic effect is selected from the group consisting of delivering at least one medicament to the wound, cleansing a surface of the wound, and stimulating healthy tissue cells.

53. The apparatus according to Claim 50, wherein the distal radiation surface is threaded.

54. The apparatus according to Claim 50, further comprising means for introducing a second fluid to the distal radiation surface to produce another spray.

55. The apparatus according to Claim 50, wherein the distal radiation surface has a shape selected from the group consisting of cylindrical, multiangular, rectangular, elliptical, ovular, and conical.

56. A method for treating a wound comprising the steps of:

generating ultrasonic energy at a distance from the surface of the wound, such that the generated ultrasonic energy propagates through a gaseous medium;

introducing a fluid in at least one propagation path of the generated ultrasonic energy to produce a spray, wherein the fluid is introduced via fluid path; and

delivering the generated ultrasonic energy to the wound through the spray, wherein the ultrasonic energy provides a bactericidal and a therapeutic effect for decreasing the healing time for the wound.